



DEPARTMENT OF THE NAVY

JOINT BASE ANACOSTIA-BOLLING
20 MACDILL BLVD, SUITE 300
WASHINGTON, D.C. 20032-7711

5090
Ser J4/EV7
September 6, 2016

Karen Crumlish, Branch Chief
Drinking Water Branch (3WP21)
Water Protection Division
U.S. EPA Region 3
1650 Arch Street
Philadelphia, PA 19103

Ms. Crumlish:

Enclosed is the Stage 2 DBP Report for the third quarter of 2016 for the Joint Base Anacostia-Bolling (JBAB) Anacostia side. Included with the results are the certificates of analysis and the Chain of Custody Forms.

Based on the JBAB-Anacostia sample results, the operational evaluation level (OEL) was not exceeded nor was there a TTHM MCL violation for this quarter.

Please mail all correspondence to:
ATTN: Director, Installation Environmental Program
Department of the Navy
PWD- Joint Base Anacostia-Bolling
370 Brookley Avenue SW
JBAB, Washington, DC 20032-0101

If you have any questions or require further information, please contact Ms. Brooke Shaffer, of my staff, at (202) 404-1273 or via email at brooke.shaffer@navy.mil.

Sincerely,

A handwritten signature in black ink, reading "Madina M. Alharazim", is positioned above the printed name.

MADINA M. ALHARAZIM
By direction

Enclosures: 1. Stage 2 DBP Summary Report, August 2016
2. Stage 2 DBP Sample Analysis Results and Chain of Custodies, August 2016

Water System: JBAB-Anacostia
PWSID: DC0000004
Report Period: 3rd Quarter 2016

- Steps: 1. Use data from three previous quarters
 2. Enter sample date and results for current quarter of monitoring in the blue column.
 3. Summarize results for the quarter. The number of samples should include the number of any repeat samples.

Total Trihalomethanes (TTHM)

Reported as mg/L or ppm

Number of TTHM samples taken per quarter: 2
 Operational Evaluation Levels exceeded (Yes/No): No
 TTHM MCL violations: 0

		Three Most Recent Quarters of Sampling Results			Current Quarter		
Scheduled Sample Week		November 2016	February 2016	May 2016	August 2016		
Actual Sample Date:		Nov. 3, 2015	Feb. 2, 2016	May 3, 2016	August 2, 2016		
Location ID	Location Name					Operational Evaluation Level (OEL)	Locational Running Annual Average (LRAA)
Alt A EP (Bldg 414)	Hallway Sink	0.0389	0.0154	0.0748	0.0648	0.055	0.048
2A (Bldg 413)	Kitchen Sink	0.0378	0.0146	0.068	0.0659	0.054	0.047
						If TTHM OEL is > 0.080, perform Operational Evaluation.	If TTHM LRAA is > 0.080, MCL violation occurred.

Five Haloacetic Acids (HAA5)

Reported as mg/L or ppm

Number of HAA5 samples taken per quarter: 2
 Operational Evaluation Levels exceeded (Yes/No): No
 HAA5 MCL violations: 0

		Three Most Recent Quarters of Sampling Results			Current Quarter		
Scheduled Sample Week		November 2015	February 2016	May 2016	August 2016		
Actual Sample Date:		Nov. 3, 2015	Feb. 2, 2016	May 3, 2016	August 2, 2016		
Location ID	Location Name					Operational Evaluation Level (OEL)	Locational Running Annual Average (LRAA)
Alt A EP (Bldg 414)	Hallway Sink	0.0267	0.0106	0.0456	0.0470	0.038	0.032
2A (Bldg 413)	Kitchen Sink	0.0264	0.0104	0.0477	0.0462	0.038	0.033
						If HAA5 OEL is > 0.060, perform Operational Evaluation.	If HAA5 LRAA is > 0.060, MCL violation occurred.

August 10, 2016

Mr. Kosala DeSilva
Inspection Experts, Inc.
8711 Arrowtip Lane
Lewis Center, OH 43035

Certificate of Analysis

Project Name: NAVFAC Regional Sampling	Workorder: 2164234
Purchase Order:	Workorder ID: NAVFAC Regional Sampling

Dear Mr. DeSilva:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, August 3, 2016.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Debra J. Musser (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. George Tsamoulales

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Ms. Debra J. Musser
Project Coordinator

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SAMPLE SUMMARY

Workorder: 2164234 NAVFAC Regional Sampling

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2164234001	2A-ANA-413	Drinking Water	8/2/2016 08:39	8/3/2016 21:30	Collected by Client
2164234002	ANA-414	Drinking Water	8/2/2016 09:12	8/3/2016 21:30	Collected by Client
2164234003	ANA-Field Blank	Drinking Water	8/2/2016 09:02	8/3/2016 21:30	Collected by Client
2164234004	ANA-Trip Blank	Drinking Water	8/2/2016 08:00	8/3/2016 21:30	Collected by Client

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SAMPLE SUMMARY

Workorder: 2164234 NAVFAC Regional Sampling

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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ANALYTICAL RESULTS

Workorder: 2164234 NAVFAC Regional Sampling

Lab ID: **2164234001**
Sample ID: **2A-ANA-413**

Date Collected: 8/2/2016 08:39 Matrix: Drinking Water
Date Received: 8/3/2016 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Bromodichloromethane	18.4		ug/L	0.50	EPA 524.2			8/8/16 19:01	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			8/8/16 19:01	DD	A
Chlorodibromomethane	5.9		ug/L	0.50	EPA 524.2			8/8/16 19:01	DD	A
Chloroform	41.6		ug/L	0.50	EPA 524.2			8/8/16 19:01	DD	A
Total Trihalomethanes	65.9		ug/L	0.50	EPA 524.2			8/8/16 19:01	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	82		%	70 - 130	EPA 524.2			8/8/16 19:01	DD	A
4-Bromofluorobenzene (S)	82.5		%	70 - 130	EPA 524.2			8/8/16 19:01	DD	A
HALOACETIC ACID										
TOTAL HAA	46.2		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 18:12	KJH	D1
Bromochloroacetic NOT FOR PA	8.2		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 18:12	KJH	D1
Dibromoacetic	1.7		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 18:12	KJH	D1
Dichloroacetic	25.5		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 18:12	KJH	D1
Monobromoacetic	ND		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 18:12	KJH	D1
Monochloroacetic	3.5		ug/L	2.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 18:12	KJH	D1
Trichloroacetic	15.5		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 18:12	KJH	D1
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,3-Dibromopropionic Acid (S)	126		%	70 - 130	EPA 552.2	8/8/16 06:40	KMR	8/9/16 18:12	KJH	D1



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ANALYTICAL RESULTS

Workorder: 2164234 NAVFAC Regional Sampling

Lab ID: **2164234002**
Sample ID: **ANA-414**

Date Collected: 8/2/2016 09:12 Matrix: Drinking Water
Date Received: 8/3/2016 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Bromodichloromethane	18.3		ug/L	0.50	EPA 524.2			8/8/16 18:37	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			8/8/16 18:37	DD	A
Chlorodibromomethane	6.2		ug/L	0.50	EPA 524.2			8/8/16 18:37	DD	A
Chloroform	40.4		ug/L	0.50	EPA 524.2			8/8/16 18:37	DD	A
Total Trihalomethanes	64.8		ug/L	0.50	EPA 524.2			8/8/16 18:37	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	86.9		%	70 - 130	EPA 524.2			8/8/16 18:37	DD	A
4-Bromofluorobenzene (S)	88.2		%	70 - 130	EPA 524.2			8/8/16 18:37	DD	A
HALOACETIC ACID										
TOTAL HAA	47.0		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 19:22	KJH	D1
Bromochloroacetic NOT FOR PA	8.9		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 19:22	KJH	D1
Dibromoacetic	1.9		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 19:22	KJH	D1
Dichloroacetic	26.6		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 19:22	KJH	D1
Monobromoacetic	ND		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 19:22	KJH	D1
Monochloroacetic	3.5		ug/L	2.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 19:22	KJH	D1
Trichloroacetic	15.1		ug/L	1.0	EPA 552.2	8/8/16 06:40	KMR	8/9/16 19:22	KJH	D1
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,3-Dibromopropionic Acid (S)	116		%	70 - 130	EPA 552.2	8/8/16 06:40	KMR	8/9/16 19:22	KJH	D1



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ANALYTICAL RESULTS

Workorder: 2164234 NAVFAC Regional Sampling

Lab ID: **2164234003**
Sample ID: **ANA-Field Blank**

Date Collected: 8/2/2016 09:02 Matrix: Drinking Water
Date Received: 8/3/2016 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			8/8/16 18:13	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			8/8/16 18:13	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			8/8/16 18:13	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			8/8/16 18:13	DD	A
Total Trihalomethanes	ND		ug/L	0.50	EPA 524.2			8/8/16 18:13	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	85.1		%	70 - 130	EPA 524.2			8/8/16 18:13	DD	A
4-Bromofluorobenzene (S)	87.7		%	70 - 130	EPA 524.2			8/8/16 18:13	DD	A



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ANALYTICAL RESULTS

Workorder: 2164234 NAVFAC Regional Sampling

Lab ID: **2164234004**
Sample ID: **ANA-Trip Blank**

Date Collected: 8/2/2016 08:00 Matrix: Drinking Water
Date Received: 8/3/2016 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
VOLATILE ORGANICS										
Bromodichloromethane	ND		ug/L	0.50	EPA 524.2			8/8/16 17:49	DD	A
Bromoform	ND		ug/L	0.50	EPA 524.2			8/8/16 17:49	DD	A
Chlorodibromomethane	ND		ug/L	0.50	EPA 524.2			8/8/16 17:49	DD	A
Chloroform	ND		ug/L	0.50	EPA 524.2			8/8/16 17:49	DD	A
Total Trihalomethanes	ND		ug/L	0.50	EPA 524.2			8/8/16 17:49	DD	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	84.7		%	70 - 130	EPA 524.2			8/8/16 17:49	DD	A
4-Bromofluorobenzene (S)	85.6		%	70 - 130	EPA 524.2			8/8/16 17:49	DD	A



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